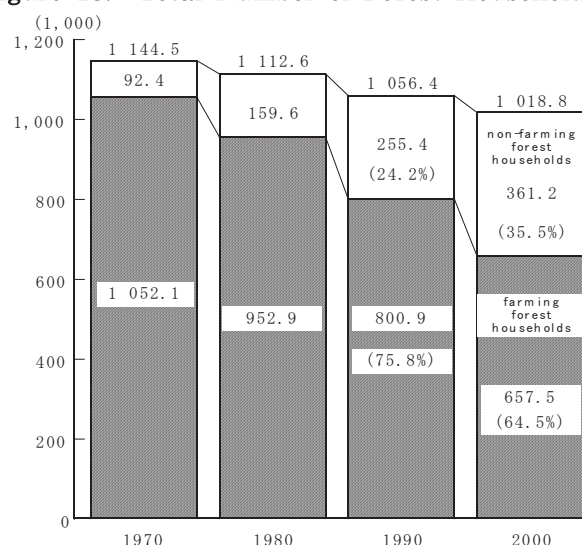


[Forestry Household Survey]

Figure 13. Total Number of Forest Households



1 Number of Forestry Households

(1) Total Number of Forest Households

- **The total number of forest household was 1 million nineteen thousand -**

The nationwide number of farm households was 1,019,000, a reduction of 38,000 units (3.6 %) in comparison with the finding of the last Census (the 1990 World Census).

In terms of the type of farm households, the number of farming forest households declined by 143,000 units (17.9 %) and that of the non-farming forest households gained by 106,000 units (41.4 %).

(2) Stratification of Forest Households by Area of Owned Forestland and the Share

a. Number of forest households in scale strata

- **The number of forest households in the 30-100 ha stratum gained; all other strata registered declines -**

In terms of the scale of owned forestland, the number of units in the 30-100 ha stratum increased, while the number of units declined in all other strata.

Table 29. Changes in the Number of Forest Households in Various Strata of the Area of Owned

		Unit: { Number : Thousands Proportion in %								
Classification		Total	1 ~ 5 ha	5 ~ 10	10 ~ 20	20 ~ 30	30 ~ 50	50 ~ 100	100 ~ 500	Over 500ha
Number	1970	1 144.5	852.6	161.8	81.9	23.4	14.4	7.2	2.9	0.3
	1980	1 112.6	823.2	157.2	82.1	24.2	15.0	7.4	3.2	0.3
	1990	1 056.4	777.2	150.7	79.3	23.3	14.7	7.5	3.4	0.4
	2000	1 018.8	761.1	139.6	71.6	21.0	14.9	7.5	2.7	0.3
% Change	1980/1970	△ 2.8	△ 3.5	△ 2.8	0.2	3.4	4.4	3.2	9.4	7.7
	1990/1980	△ 5.1	△ 5.6	△ 4.2	△ 3.4	△ 3.6	△ 2.5	1.5	6.0	28.2
	2000/1990	△ 3.6	△ 2.1	△ 7.4	△ 9.6	△ 9.7	1.3	0.7	△ 18.6	△ 32.6

<Forest Household>

The definition of the forest household defined until the 1990 Census, those households with owned forestland of over 10 a, has been modified to those households with owned forestland in excess of 1 ha in the World Census 2000. For this reason, the data for the 1970 to 1990 Census were re-tabulated on the basis of the definition in effect for the World Census 2000. For this reason, the data for the 1970 to 1990 Census were re-tabulated on the basis of the definition in effect for the World Census 2000.

Farming forest household: refers to forest households that farm in addition to forestry work
Non-farming forest household: those forest households not participating in farming activities

b. Shares of Owned Forestland by Forest Households in Various Scale Strata

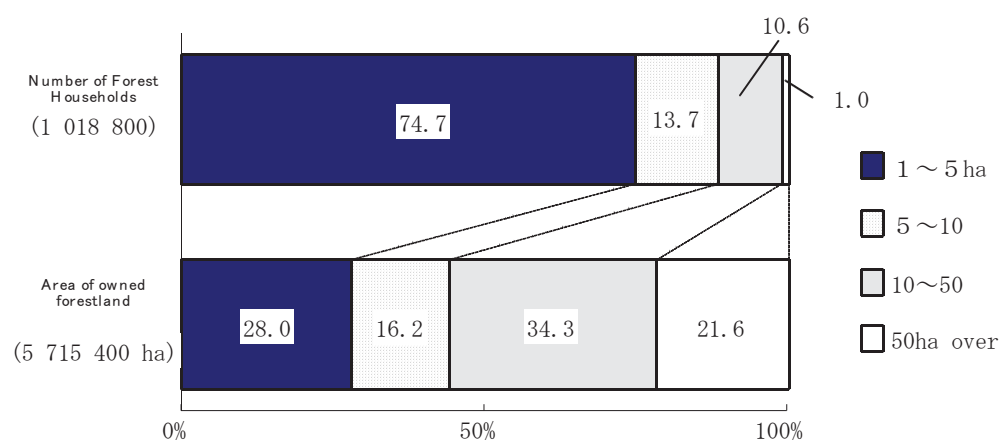
- The share of the forestland ownership of forest households in the over-10 ha stratum was 60 % -

In the breakdown in terms of the area of owned forestland, 74.7 % of the farm households owned 1 to 5 ha, 13.7 % owned between 5 to 10 ha of land; 90 % of all forestry households were forestland owners of less than 10 ha.

Of the size of forestland holdings, 28.0% of the forest households owned 1-5 ha of forestland, and a majority, 55.8 %, owned forestland of more than 10 ha in area.

Those shares of land area owned by the forest households of holdings over 50 ha (1.0 % of forest households) constituted more than 21.6 % of all forestland.

Figure 14. The Number of Forest Households and the Proportions of the Area of Owned in the Scale of Forest Households (2000)



(3) Number of Forest Households with Sales (Forest Household Owning Over 3 ha)

- The proportion of forest households with sales is higher in those with large owned land -

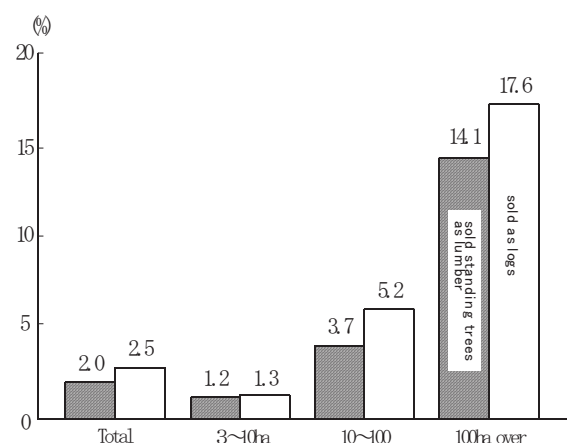
In considering forest households with sales of forest products (lumber, bed logs and specialty forest products) during the past 1 year, 2.0 % of the forest households (among farm households with owned land over 3 ha) sold standing trees as lumber and 2.5 % as logs.

In terms of the scale of owned land among those with sales, the larger the owned land, higher the proportion with sales. The farm households with owned land of over 100 ha that sold lumber as standing trees constituted 14.1 % and those that sold logs were 17.6 %.

Table 30. The Sales Share of Forest Household with Sales

Classification		Unit: Thousand units	Proportion in %	
		Total, Over 3 ha Forest Households	Sold as Tim	Sold as Logs
Number	1990	469.1	15.5	19.5
	2000	421.2	8.3	10.5
% Composition	1990	100.0	3.3	4.2
	2000	100.0	2.0	2.5

Figure 15. The Sales Share of Forest Household with Sales(2000)



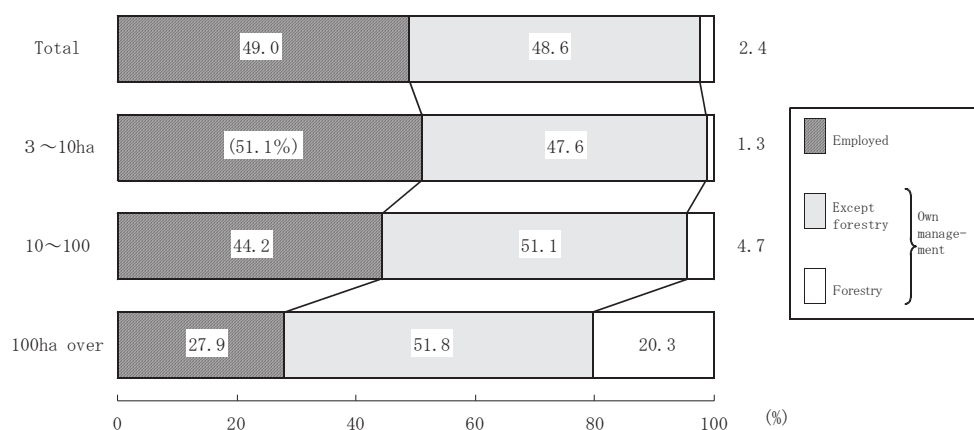
(4) Classification of Forest Households by Their Core Activities

- Forest households for which forestry is the principal source of income comprises 2.4 % -

Focussing upon the principal (largest) source of income for forest households, 51.0 % operate business enterprises (of which 2.4 % in forestry business) and 49.0 % are employed elsewhere.

While the proportion of forestry households that make forestry their principle source of income at 2.4 %, the proportion increase as the scale of in strata where the scale of owned forestland was larger, and in the stratum over 100 ha, the proportion reached 20.3 %.

Figure 16. The Proportions of Forest Households with Forest as Core Source of Income in the Owned Forestland Scale Strata (2000)



2 Forestry Household Population Employed in Forestry Operation (Forest Households of Owned Forestland Over 3 ha)

- The number of forest household members employed in forestry is declining -

Of members of forestry households, those who worked on their own forests or were employed by others in the forest industry (regardless of the number of days) in the past 1 year comprised 223,000 units, a reduction of 5.0 % since the last Census.

In terms of the number of days worked on forestry endeavors, they either maintained the past level or declined. The number of those who worked who worked in forestry tasks in excess of 150 days registered a decline of 29.1 %.

A majority, 94.3 % of those who were employed in forestry endeavors, worked on their own forestland.

Table 31. Members of Forest Households Who Worked in Forestry Endeavors

Unit: { Thousands
%

Classification	Total					In own forestry	Employed by other
		1-29 days	30~59	60~149	Over 150 days		
1990	235	164	39	19	13	218	17
2000	223	159	39	16	9	211	13
% Change (2000/1990)	△ 5.0	△ 3.3	0.0	△ 14.0	△ 29.1	△ 3.3	△ 27.4
% Composition (2000)	100.0	71.0	17.6	7.3	4.2	94.3	5.7

3 Forestry Activities in Forestry Household Owned Forestland

(over 3 ha Forest Households)

(1) Re-Forestation

- Twenty-three thousand forest households re-forested 22,000 ha -

The number of forest households that re-forested forestland in the past 1 year was 23,000 covering 22,000 ha of their own holdings, comprising 5.5 % of all forest households with owned land in excess of 3 ha. Of these forest households, 28.2 % contracted re-forestation on consignment basis to other forestry entities.

Table 32. Number of Forest Households that Re-Forested and Area Covered

Unit: { thousand units
Area in thousand ha
Proportion in %

Classification		Number of Forest Households	Number of Forest Households that Re-Forested	Task Consigned	Area Covered	Proportion of Forest Households that Re-Forested in Total	Proportion of Task Consigned in Total
Number	1990	469.1	31.8	8.5	27.3	6.8	26.6
	2000	421.2	23.0	6.5	22.2	5.5	28.2
% Change	2000/1990	△ 10.2	△ 27.8	△ 23.5	△ 18.8	-	-

(2) Under-Brushing

- Forest households that under-brushed their own forestland numbered 75,000 units covering 125,000 ha -

Forest households that conducted under-brushing tasks (maintenance activities other than removal of vines, excess and dead branches) in the past 1 year numbered 134,000 units covering 182,000 ha. The proportion (of forest households with excess of 3 ha in owned land) that effected under-brushing was 31.8 %. Of those, 20.6% consigned the task to the outside operators.

Table 33. Forest Households that Conducted Under-Brushing and Other Maintenance Tasks and the Total Area Covered

Unit: { Number: Thousands
Area in Thousand ha
Proportion in %

Classification		Number of Forest Households	Number of Forest Households that Re-Forested	Task Consigned	Area Covered	Proportion of Forest Households that Re-Forested in Total	Proportion of Task Consigned in Total
Number	1990	469.1	155.6	34.5	240.0	33.2	22.2
	2000	421.2	133.9	27.5	181.8	31.8	20.6
% Change	2000/1990	△ 10.2	△ 13.9	△ 20.1	△ 24.3	-	-

(3) Thinning

- The number of forest households units was 75,000, covering 125,000 ha -

The number of forest households that thinned their owned forestland in the past 1 year was 75,000 units, and the task covered 125,000 ha of forestland. The proportion of those who thinned their own forestland (among forest households owning excess of 3 ha) was 17.7 %. Of this proportion, 28.5 % consigned the task to outside operators.

Table 34. The Number of Forest Households Thinning and Area Covered

Unit: { Thousand units
Are in thousand ha
Proportion in %

Classification		Number of Forest Households	Number of Forest Households that Re-Forested	Task Consigned	Area Covered	Proportion of Forest Households that Re-Forested in Total	Proportion of Task Consigned in Total
Number	1990	469.1	87.3	23.0	152.2	18.6	26.3
	2000	421.2	74.6	21.3	124.9	17.7	28.5
% Change	2000/1990	△ 10.2	△ 14.6	△ 7.6	△ 17.9	-	-

(4) Logging

- The number of forest households units was 8,000, covering 10,000 ha -

Eight thousand forest households logged their own forestland in the past 1 year. The total area logged comprised 10,000 ha, and the proportion of forest households (of those with owned forestland of 3 ha or more) was 1.8 %. Of those who logged, 39.9 % consigned the logging to outside operators.

Table 35. The Number of Forest Households that Logged Owned Forest
and the Area Logged

Classification		Number of Forest Households	Number of Forest Households that Re-Forested	Task Consigned	Area Covered	Proportion of Forest Households that Re-Forested in Total	
						Proportion of Task Consigned in Total	
Number	1990	469.1	8.5	4.3	8.7	1.8	50.6
	2000	421.2	7.7	3.1	9.8	1.8	39.9
% Change	2000/1990	△ 10.2	△ 9.4	△ 28.6	12.0	-	-

Unit: { Thousand units
Area in thousand ha
Proportion in %

- 4 The sum of areas may not agree with its contents because of errors in rounding at the decimal point.

- The larger the scale of forest household, the greater the proportion of owing forestland outside of Municipality or Prefecture of their residence -

With respect to the location of owned land, forest households that own forestland within the Municipality of residence were 363,000 in number, comprising 86.2 % of all forest households.

Those that owned forestland outside the Municipality of their residence numbered 40,000, consisting of 9.4 %, while those that owned forestland outside of the Prefecture of their residence numbered 19,000 units, constituting 4.4 % forest households.

The larger the scale of forest household, they were likely to own forestland outside Municipality or Prefecture of their residence.

Table 36. Location of Owned Forestland and the Scale of Forest Household

Classification		Number				Composition			
		Total	Residential City, Ward, Town and Village	Other City, Ward, Town and Viillage in Prefecture	Out of Prefecture	Total	Residential City, Ward, Town and Village	Other City, Ward, Town and Viillage in Prefecture	Out of Prefecture
Number of Forest Households classified by the scale of forest in the	計	421.2	362.9	39.7	18.6	100.0	86.2	9.4	4.4
	3 ~5ha	163.5	143.3	13.7	6.5	100.0	87.6	8.4	4.0
	5 ~10	139.6	120.4	13.1	6.0	100.0	86.3	9.4	4.3
	10 ~20	71.6	61.5	7.0	3.1	100.0	85.8	9.8	4.4
	20 ~30	21.0	17.9	2.2	1.0	100.0	84.9	10.4	4.6
	30 ~50	14.9	12.2	1.8	0.9	100.0	82.1	12.0	5.9
	50 ~100	7.5	5.8	1.1	0.6	100.0	77.2	14.8	8.0
	100 ~500	2.7	1.7	0.6	0.4	100.0	62.6	22.6	14.8
	500ha以上	0.3	0.1	0.1	0.1	100.0	45.3	34.6	20.1

Unit: { Thousands of units
Proportion in %

Note: In case where owned forestland was in multiple locations (in Municipality, Prefecture or out of Prefecture in residence), the one of largest area was used.